Information Disclosure Statement - January 23, 2009

Sheet 1 ATTY. DOCKET NO. SERIAL NO INFORMATION DISCLOSURE CITATION 3665-167 10/560.774 APPLICANT SCHWEIGHOFFER et al. (Use several sheets if necessary) FILING DATE GROUP 1617 December 14, 2005 U.S. PATENT DOCUMENTS \*EXAMINER NAME INITIAL DOCUMENT NUMBER DATE SUBCLASS 5.847.010 12-1998 Hedgepeth 5.672.622 9-1997 Hedgepeth 11/1999 5.977.305 Wigler et al 5,851,784 12/1998 Owens et al 6.060.501 5/2000 Wachtel et al FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT DATE COUNTRY CLASS SUBCLASS NO WO 00/40714 7/2000 WIPO WO 01/44449 WIPO 6/2001 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Claims filed December 15, 2008 in Application No. 10/486,639 Pitt et al. "Glutamate Excitotoxicity in a Model of Multiple Sclerosis". Nature. 2000; 6(1):67-Bever et al. The effects of 4-aminopyridine in multiple sclerosis patients: Results of a randomized, double-blind, placebocontrolled, crossover-trial, Neurology, 1994 Vol. 44:1054-Bever et al. Treatment with oral 3,4 diaminopyridine improves leg strength in multiple sclerosis patients: Results of a randomized, double-blind, placebo-controlled, crossover-trial. Neurology, 1996 Vol. 47:1457-1462. Rasdn et al. Cloning and characterization of a CAMP-specific phosphodiesterase (TbPDE2B) from Trypanosoma brucei, PNAS, 2002 Vol. 99:4714-4719. Date Considered \*Examine

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Date Considered

Rothstein, "Excitotoxicity hypothesis", Neurol 1996 47 (Supp 4) S19-25.

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Information Disclosure Statement - January 23, 2009 Sheet 3 ATTY. DOCKET NO. SERIAL NO. INFORMATION DISCLOSURE CITATION 3665-167 10/560.774 APPLICANT. SCHWEIGHOFFER et al. (Use several sheets if necessary) FILING DATE GROUP December 14, 2005 1617 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Doble, "The pharmacology and mechanism of action of riluzole", AMERICAN ACADEMY OF NEUROLOGY, 1996, pp. S233-S241. Bar, "Motor neuron disease in vitro: the use of cultured motor neurons to study amyotrophic lateral sclerosis", EUROPEAN JOURNAL OF PHARMACOLOGY, 405, 2000, pp. 285-295. Sommer et al, "Therapeutic potential of phosphodiesterase type 4inhibition in chronic autoimmune demyelinating disease", JOURNAL OF NEUROIMMUNOLOGY, 79, 1997, pp. Beghi et al, "A randomized controlled trial of recombinant interferon beta-1a in ALS", AMERICAN ACADEMY OF NEUROLOGY, 2000, pp. 469-473. Jahn et al, "Mechanism of block of nicotinic acetylcholine receptor channels by purified IgG from seropositive patients with myasthenia gravis, AMERICAN ACADEMY OF NEUROLOGY, 2000, p. 474. Asahara et al, "Glutamate enhances phosphorylation of neurofilaments in cerebellar granule cell culture", JOURNAL OF THE NEUROLOGICAL SCIENCES, 171, 1999, 84-87 (first page lattached). Houslay, PROGRESS IN NUCLEIN ACID RESEARCH AND MOLECULAR BIOLOGY, Vol. 69, 1001, 249-315 (first page attached). Snider et al, "Signaling the Pathway to Regeneration", NEURON 2002, 35, 13-6 (first page attached). Santos et al, "Cyclic AMP increases the survival of ganglion cells in mixed retinal cell cultures in the absence of exogenous neurotrophic molecules, an effect that involves cholinergic activity", BRAZ J. MED BIOL RES, 2001m, 34, 1585-1593, pp. 1585-1593 (first page attached). Feldman et al, "Breathing: Rhythmicity, Plasticity, Chemosensitivity", ANNU REV NEUROSCI 2003, 26, pp. 239-266 (first page attached). Polman et al, "Clinical review: Drug treatment of multiple sclerosis", BMJ, Volume 321, 19-26 August 2000, pp. 490-494. Compston et al, "Multiple sclerosis", THE LANCET, Vol. 359, April 6, 2002, pp. 1221-31. Rowland et al, "Amyotrophic Lateral Sclerosis", N. ENGL. J. MED., Vol. 344, No. 22, May 31, 2001, pp. 1688-1700.

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Neurobiology 2004, 14:186-191

Kempermann et al. "Functional significance of adult neurogenesis". Current Opinion in

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